Question Paper Preview

Question Paper Name:Computer Science and EngineeringSubject Name:Computer Science and Engineering

Mathematics

Number of Questions: 50
Display Number Panel: Yes
Group All Questions: No

Question Number: 1 Question Id: 6780944804 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If the traces of A and B are 20 and -8 then the trace of (A+B) is ____

Options:

- 1. 12
- 2. -12
- 3. 28
- _{4.} -28

Question Number: 2 Question Id: 6780944805 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If $A = \begin{bmatrix} x & 1 \\ 1 & 0 \end{bmatrix}$ is an involutory matrix then $x = \begin{bmatrix} x & 1 \\ 1 & 0 \end{bmatrix}$

Options:

- , 0
- , -2
- 3 -1
- , 2

Question Number: 3 Question Id: 6780944806 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The determinant of
$$\begin{bmatrix} \log e & \log e^2 & \log e^3 \\ \log e^2 & \log e^3 & \log e^4 \\ \log e^3 & \log e^4 & \log e^5 \end{bmatrix}$$
 is ____

Options:

- 5loge

Question Number: 4 Question Id: 6780944807 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

If
$$A = \begin{bmatrix} 1 & 1 & 0 \\ 2 & 1 & 3 \\ 0 & 1 & 2 \end{bmatrix}$$
 then $\det(adjA) =$ ____

Options:

- det A
- $\det A^2$
- $-\det A$ 3. $\left(\det A\right)^2$ 4.

Question Number: 5 Question Id: 6780944808 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

If A, B are two matrices and AB=B, BA=A then $A^2 + B^2 =$

Options:

- A+B

Question Number: 6 Question Id: 6780944809 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

If
$$\frac{3x+2}{(x+1)(2x^2+3)} = \frac{A}{x+1} + \frac{Bx+C}{2x^2+3}$$
, then $A+C-B =$ _____

Options:

- , (
- , 2
- 3 3
- ₄ 5

Question Number: 7 Question Id: 6780944810 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If
$$\frac{3x}{(x-a)(x-b)} = \frac{2}{x-a} + \frac{1}{x-b}$$
 then $a:b =$ ____

Options:

- $_{1}$ -2:1
- 2:1
- , 1:2
- 4. 3:1

Question Number: 8 Question Id: 6780944811 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\tan 855^\circ =$ ____

Options:

- 1. 1
- $\frac{1}{\sqrt{2}}$
- 3. -1
 - $-\frac{1}{\sqrt{2}}$

Question Number: 9 Question Id: 6780944812 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If
$$\tan \alpha = \frac{m}{m+1}$$
 and $\tan \beta = \frac{1}{2m+1}$ then $\tan(\alpha + \beta) = \underline{\hspace{1cm}}$

- _ -1
- 2 0
- , 1
- 4. 2

Question Number: 10 Question Id: 6780944813 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $6\sin 20^{\circ} - 8\sin^3 20^{\circ} =$

Options:

- , 2
- $\frac{1}{\sqrt{2}}$
- $\sqrt{3}$
- $\frac{1}{\sqrt{3}}$

Question Number: 11 Question Id: 6780944814 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If $3\sin\theta + 4\cos\theta = 5$ then the value of $4\sin\theta - 3\cos\theta =$

Options:

- 1. 0
- 2 -1
- , 1
- , 2

Question Number: 12 Question Id: 6780944815 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The sine function with period 3 is

- $\sin \frac{2\pi x}{3}$
- $sin\frac{\pi x}{3}$

$$sin 3\pi x$$

3

$$sin \frac{3\pi x}{2}$$

Question Number: 13 Question Id: 6780944816 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The maximum value of $3\sin^2 x + 5\cos^2 x$ is _____

Options:

- 8
- , 3
- , 5
- 4. 34

Question Number: 14 Question Id: 6780944817 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The equation $\sqrt{3}\sin x + \cos x = 4$ has _____

Options:

- Only one solution
- two solutions
- , Infinite solutions
- no solution

Question Number: 15 Question Id: 6780944818 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The solution of $\cos^{-1}(\sqrt{3}x) + \cos^{-1}x = \frac{\pi}{2}$ is ____

- $\frac{1}{2}$
- 1
- _1
- 3.

$$-\frac{1}{5}$$

Question Number: 16 Question Id: 6780944819 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\sin \theta + \sin(\theta + 120^{\circ}) - \sin(120^{\circ} - \theta) =$

Options:

- , 0
- $\sin \theta$
- 3
- $-\sin\theta$

Question Number: 17 Question Id: 6780944820 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The principal solution of 3CosecA = 4SinA is _____

Options:

- $\frac{\pi}{4}$
- $\pm \frac{\pi}{3}$
- $\pm \frac{\pi}{6}$
- $\pm 2\pi$

Question Number: 18 Question Id: 6780944821 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If $|z^2 - 1| = |z|^2 + 1$, then z lies in _____

Options:

- The real axis
- , a circle
- The imaginary axis

a parabola

4.

Question Number: 19 Question Id: 6780944822 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If
$$\left(\frac{1+i}{1-i}\right)^3 - \left(\frac{1-i}{1+i}\right)^3 = a+ib$$
, then a an b are _____

Options:

- 1, 1,1
- 2,-2
- , 0,-2
- 0,-1

Question Number : 20 Question Id : 6780944823 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the line y = 2x + c is a tangent to $x^2 + y^2 = 5$ then the value of c is _____

Options:

- , 2
- 2 3
- , 4
- 4 5

Question Number : 21 Question Id : 6780944824 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The vertex of the parabola $x^2 + 8x + 12y + 4 = 0$ is

Options:

- (-4,1)
- (4,-1)
- (-4,-1)
- (4,1)

Question Number : 22 Question Id : 6780944825 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The number of tangents to the ellipse $\frac{x^2}{4} + \frac{y^2}{2} = 1$ through (2,1) is _____

Options:

1. 0

Question Number: 26 Question Id: 6780944829 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

$$\lim_{x \to 2+} \frac{x |x-2|}{x-2} = \underline{\hspace{1cm}}$$

Options:

- 1. 1
- _ -1
- , 2
- 4 -2

Question Number : 27 Question Id : 6780944830 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $f(x) = (1+x)^{\frac{2}{x}}$ is continuous at x = 0 then $f(0) = \underline{\hspace{1cm}}$

Options:

- 1. e
- e^2
- , e3
- , e4

Question Number : 28 Question Id : 6780944831 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $x = a \sec \theta$, $y = b \tan \theta$ then $\frac{dy}{dx} =$ ____

$$\frac{b}{a}\sec\theta$$

- $\frac{b}{a}$ cosec θ
- $\frac{a}{b}\sec\theta$
 - $\frac{a}{b}$ cosec θ

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If
$$x^y = e^{x-y}$$
 then $\frac{dy}{dx} =$ ____

Options:

$$\frac{\log x}{(1+\log x)^2}$$

$$\frac{\log x}{(1-\log x)^2}$$

$$\frac{-\log x}{(1+\log x)^2}$$

$$\frac{-1}{(1+\log x)^2}$$

Question Number: 30 Question Id: 6780944833 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

If
$$y = \sin^{-1}\left(\frac{x}{\sqrt{1+x^2}}\right)$$
 then $\frac{dy}{dx} =$ ____

Options:

$$-\frac{1}{1+x^2}$$

$$\frac{1}{1+x^2}$$

$$\frac{2}{1+x^2}$$

$$-\frac{2}{1+x^2}$$

Question Number: 31 Question Id: 6780944834 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

The slope of the normal to the curve $x = a \sec \theta$, $y = a \tan \theta$ at $\theta = \frac{\pi}{6}$ is _____

Question Number: 32 Question Id: 6780944835 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The rate of change of area of a circle with respect to radius when r=5cm is

Options:

- 2π sq.cm/sec
- 10π sq.cm/sec
- $_{3}$ 100π sq.cm/sec
- 20π sq.cm/sec

Question Number: 33 Question Id: 6780944836 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Which of the following function has maxima or minima?

Options:

- $1 e^{x}$
- loga
- $x^3 + x^2 + x + 1$
- $\sin x$

Question Number : 34 Question Id : 6780944837 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If the increase in the side of a square is 2% then the approximate percentage increase in the area of the square is _____

- 1 2
- 2 4
- 3 6
- , 8

Question Number: 35 Question Id: 6780944838 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

For the function $f(x) = \log(x^2 + y^2)$, which of the following is true?

Options:

$$f_x + f_y = 0$$

$$f_{xx} + f_{yy} = 0$$

$$f_x - f_y = 0$$

$$f_x - f_y = 0$$

$$f_{xx} + f_{yy} = 0$$
2.
$$f_x - f_y = 0$$
3.
$$f_{xx} - f_{yy} = 0$$
4.

Question Number: 36 Question Id: 6780944839 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

$$\int \csc^5 \theta \cot \theta d\theta = \underline{\hspace{1cm}}$$

Options:

$$\frac{\cot^2 \theta}{2}$$

$$\frac{-\csc^5\theta}{5}$$

$$\frac{\operatorname{cosec}^6 \theta}{6}$$

$$\frac{-\csc^6\theta}{6}$$

Question Number: 37 Question Id: 6780944840 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

$$\int_{2}^{3} \frac{dx}{x^2 - x} = \underline{\qquad}$$

$$\log \frac{2}{3}$$

$$log \frac{4}{3}$$

$$\log \frac{8}{3}$$

$$\log \frac{1}{4}$$

Question Number: 38 Question Id: 6780944841 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

If a < 0 < b then $\int_{a}^{b} \frac{|x|}{x} dx = \underline{\qquad}$

Options:

- b-a
- a-b
- a+b

Question Number: 39 Question Id: 6780944842 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

Options:

$$\frac{\pi}{4} - \frac{1}{2}$$

$$\frac{\pi}{8} - \frac{1}{2}$$

$$\frac{\pi}{4} + \frac{1}{2}$$

$$\frac{\pi}{8} + \frac{1}{2}$$

Question Number: 40 Question Id: 6780944843 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

$$\lim_{n \to \infty} \sum_{r=1}^{n} \frac{1}{n} e^{\frac{r}{n}} = \underline{\qquad}$$

- (1+e)
- (1-e)
- 4. (e−1)

Question Number: 41 Question Id: 6780944844 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

$$\int_{0}^{\pi/4} \sec^6 x dx = \underline{\qquad}$$

Options:

- 8
- 1. 3
- 2 15
- $-\frac{28}{15}$
- 4
- 4 5

Question Number: 42 Question Id: 6780944845 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The area bounded by the curve $y = \log x$, x-axis and the straight line x-e=0 is ____square units

Options:

- 1. e
- (e-1)
- 3 0
- (1-e)

Question Number: 43 Question Id: 6780944846 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The volume of the solid generated by rotating one arch of the curve y = Sin3x about the x-axis is----

$$\pi^2$$

$$\frac{\pi^2}{2}$$

$$\pi^2$$

$$\frac{\pi^2}{6}$$

Question Number: 44 Question Id: 6780944847 Display Question Number: Yes Single Line Question Option: No Option

 $y = cx - c^2$ is the general solution of the differential equation

Options:

$$\left(\frac{dy}{dx}\right)^2 - x\left(\frac{dy}{dx}\right) + y = 0$$

$$\frac{d^2y}{d^2y} = 0$$

$$\frac{d^2y}{dx^2} = 0$$

$$\frac{dy}{dx} = c$$

$$\left(\frac{dy}{dx}\right)^2 + x\left(\frac{dy}{dx}\right) + y = 0$$

Question Number: 45 Question Id: 6780944848 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

The general solution of the differential equation $\frac{dy}{dx} + \frac{y}{3} = 1$ is

$$y = 3 + ce^{\frac{x}{3}}$$

$$y = 3 + ce^{-\frac{x}{3}}$$

$$3y = c + e^{\frac{x}{3}}$$

$$3y = c + e^{-\frac{x}{3}}$$

Question Number: 46 Question Id: 6780944849 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The differential equation corresponding to the family of curves $y = ae^{bx}$, where a and b are arbitrary constants, is ____

Options:

$$\frac{d^2y}{dx^2} = y\frac{dy}{dx}$$

$$y\frac{d^2y}{dx^2} - \frac{dy}{dx} = 0$$

$$y\frac{d^2y}{dx^2} = \left(\frac{dy}{dx}\right)^2$$

$$\frac{dy}{dx} - y^2 = 0$$

Question Number: 47 Question Id: 6780944850 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

An integrating factor of the differential equation

$$(x^2y + y + 1)dx + (x + x^3)dy = 0$$
 is ____

Options:

$$e^{x}$$

$$x^2$$

Question Number: 48 Question Id: 6780944851 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The differential equation whose solution is $Ax^2 + By^2$, where A,B are arbitrary constants are of ----

Options:

1st order and 1st degree

- 2nd order and1st degree
- 2nd order and 2nd degree
- ₄ 1st order and 2nd degree

Question Number: 49 Question Id: 6780944852 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The general solution of the differential equation $\frac{d^2x}{dt^2} - 4\frac{dx}{dt} + 5x = 0$ is

Options:

$$x = (c_1 \cos t + c_2 \sin t)e^{2t}$$

$$t = (c_1 \cos x + c_2 \sin x)e^{2x}$$

$$x = (c_1 \cos 2t + c_2 \sin 2t)e^t$$

$$t = (c_1 \cos 2x + c_2 \sin 2x)e^x$$

Question Number: 50 Question Id: 6780944853 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The particular integral of $(D-2)^2 y = \sin 2x$ is

Options:

$$\frac{\cos 2x}{8}$$

$$\frac{\sin 2x}{8}$$

$$\frac{-\cos 2x}{2}$$

$$-\sin 2x$$

, 2

Physics

Number of Questions:
Display Number Panel:
Group All Questions:

25 Yes No Question Number: 51 Question Id: 6780944854 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The unit of impulse is the same as that of

Options:

- moment of force
- linear momentum
- force
- pressure

Question Number: 52 Question Id: 6780944855 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If the force is given by $F = at+bt^2$ where t is the time. The dimensions of a and b are

Options:

$$ML^2T^{-3}$$
, ML^2T^{-2}

$$ML^{2}T^{-3}$$
, $ML^{3}T^{-4}$

Question Number: 53 Question Id: 6780944856 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Vector parallel to $6\hat{i} + 8\hat{j}$ and having a magnitude of 5 is

Options:

$$4\hat{i} + 3\hat{j}$$

$$12\hat{\imath} + 16\hat{\jmath}$$

$$3\hat{\imath} + 4\hat{\jmath}$$

Question Number: 54 Question Id: 6780944857 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If $|\vec{A} \times \vec{B}| = K(AB)$ then angle between \vec{A} and \vec{B} is

```
_{1.} cos^{-1}K
```

Question Number: 55 Question Id: 6780944858 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

A cricket ball is thrown at a speed of 28 m/s in a direction 30⁰ above the horizontal. The maximum height reached by the ball is

Options:

- 1 10 m
- , 20 m
- ₂ 30 m
- 40 m

Question Number: 56 Question Id: 6780944859 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Two bodies are projected at angles of 45° and 60° with the horizontal with same velocity simultaneously. Ratio of their horizontal ranges is

Options:

$$\sqrt{3}:2$$

- , 1:2
- 4 2:1

Question Number: 57 Question Id: 6780944860 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

A ball thrown by a boy is caught 2 seconds later by another at some distance away on the same level. If the angle of projection is 30°, the velocity of projection is

19.6 m/sec

9.8 m/sec

4.9 m/sec

5.2 m/sec

Question Number: 58 Question Id: 6780944861 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

A 200 m wide river flows with a velocity of 5 m/sec. A man crosses the river in the shortest time of 25 sec. If there is no flow and he swims with the same velocity, the time taken to cross the river is

Options:

$$\frac{200}{5\sqrt{3}}$$
 sec

20 sec

25 sec

 $25\sqrt{2}$ sec

Question Number: 59 Question Id: 6780944862 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

A body of mass 1 Kg lies on an inclined plane of angle 60⁰ to the horizontal. If the coefficient of friction is 0.4, the frictional force along the inclined plane is

Options:

1.96 N

0.98 N

₂ 0.49 N

4. 0.245 N

Question Number : 60 Question Id : 6780944863 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A force of 20 Kg weight is required to just slide a wooden box weighing 50 Kg over ice. Then coefficient of static friction between the surfaces in contact is

Options:

0.2

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100 W

₂ 500 W

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   980 W
  900 W
Question Number: 64 Question Id: 6780944867 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 At t=0, the displacement of a particle in SHM is half its amplitude. Its initial
  phase is (referring to mean position)
Options:
   2\pi
    \pi
Question Number: 65 Question Id: 6780944868 Display Question Number: Yes Single Line Question Option: No Option
  The length of seconds pendulum is 100 cm. To have a period half of this value,
  the length is to be reduced by
Options:
  25 cm
   75 cm
   50 cm
   100 cm
Question Number: 66 Question Id: 6780944869 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 Inside a big hall, the reverberation time is
Options:
   directly proportional to volume
   inversely proportional to sound absorption
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both directly proportional to volume

and

inversely proportional to sound absorption

depends on temperature

Question Number: 67 Question Id: 6780944870 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The voice of lion is different from that of a mosquito because

Options:

- , the sounds have different pitch
- they are of different size
- the two voices travel with different velocities
- the sounds have different phases

Question Number: 68 Question Id: 6780944871 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

A car is travelling at $\frac{v}{10}$ m/s and sounds horn of frequency 990 Hz. The apparent frequency heard by a police chasing the car at $\frac{v}{9}$ m/s (v is the velocity of sound) is

Options:

- , 990 Hz
- 900 Hz
- , 100 Hz
- 4. 1000Hz

Question Number: 69 Question Id: 6780944872 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

When ice cube melts and becomes water, the ice-water system undergoes a change such that

- entropy of the system decreases and internal energy decreases
- entropy of the system decreases and internal energy increases

entropy of the system increases and internal energy increases

entropy of the system increases and internal energy decreases

Question Number: 70 Question Id: 6780944873 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

A mass of 300 gm falls from a height of 3 m(g=9.8 m/s²). Assuming that the whole energy is converted into heat, the amount of heat produced is

Options:

- 2 cal
- 2.1 cal
- 4 cal
- 4.2 cal

Question Number: 71 Question Id: 6780944874 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

During an adiabatic expansion of 2 moles of a gas, the change in internal energy was found to be equal to 100 J. The work done during the process will be equal to

Options:

- zero
- ₂ -100 J
- ₂ 200 J
- 100 J

Question Number: 72 Question Id: 6780944875 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The pressure and density of a diatomic gas ($\gamma = \frac{7}{5}$) change adiabatically from

(P,d) to (P¹,d¹). If
$$\frac{d^1}{d}$$
 = 32, then $\frac{P^1}{P}$ is

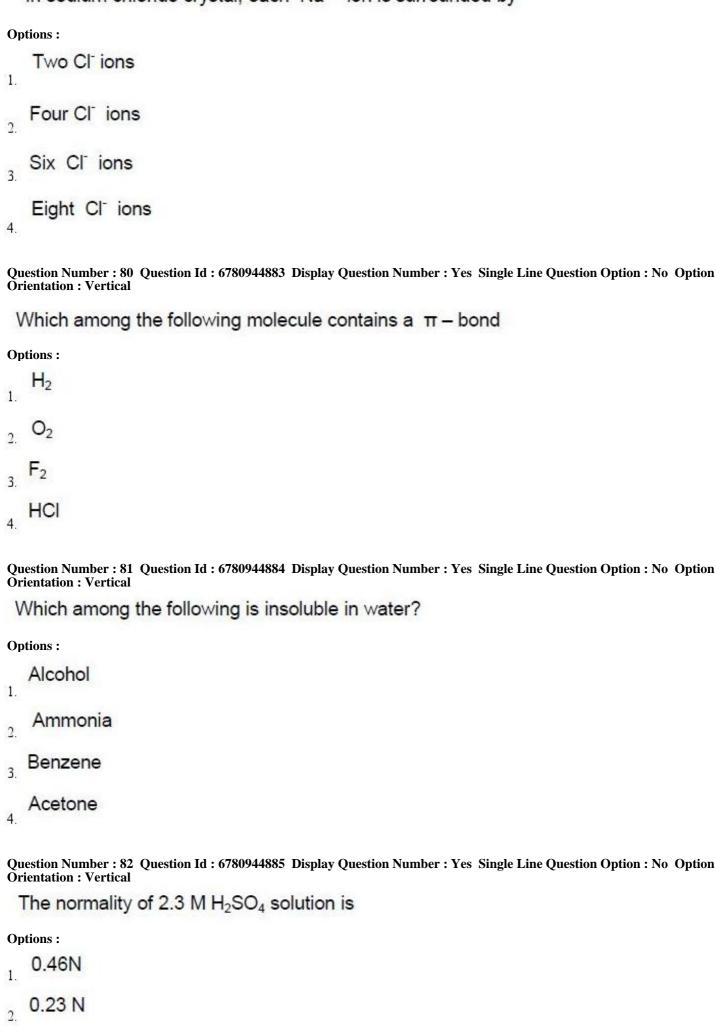
- 128
- 2. 32

3. 256
4. 64
Question Number: 73 Question Id: 6780944876 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Boyle's law holds good for an ideal gas during
Options: isobaric changes
isothermal changes
isochoric changes
isotopic changes
Question Number: 74 Question Id: 6780944877 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The threshold frequency of metal is v_0 . When a light of frequency 4 v_0 is
incident on metal then the K.E _{max} of emitted electrons is
Options:
2 υ ₀ h
$_{2}$ $3v_{0}h$
$\frac{4 v_0 h}{}$
$v_0 h$
Question Number: 75 Question Id: 6780944878 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Superconductors are materials
Options:
dielectric
paramagnetic 2.
ferromagnetic
diamagnetic

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Display Number Panel:	Yes
Group All Questions:	No
Question Number: 76 Question Id: 6780944879 Disp. Orientation: Vertical	lay Question Number : Yes Single Line Question Option : No Option
The Pauli exclusion principle is con	cerned with
Options:	
Energy of orbital.	
Spin of electron.	
3. Energy of electron	
Angular momentum of electron	
Question Number: 77 Question Id: 6780944880 Disp Orientation: Vertical	lay Question Number : Yes Single Line Question Option : No Option
According to Bohr's model of hydroge	en atom, the following is quantized
Options:	
Linear momentum	
Linear velocity	
Angular momentum	
4. Angular velocity	
Question Number: 78 Question Id: 6780944881 Disp Orientation: Vertical	lay Question Number : Yes Single Line Question Option : No Option
How many 'd' – orbitals have two p	erpendicular nodal planes
Options:	
Two	
2. Three	
Four 3.	
Five 4.	
Question Number: 79 Question Id: 6780944882 Disportentation: Vertical	lay Question Number : Yes Single Line Question Option : No Option

In sodium chloride crystal, each Na⁺ ion is surrounded by



3. 2.3 N

Options:

- 0.4
- 0.8
- 0.6

Question Number: 84 Question Id: 6780944887 Display Question Number: Yes Single Line Question Option: No Option

The pH value of 0.05M Ba(OH)₂ solution is

Options:

- 10
- 3. 13
- 11

Question Number: 85 Question Id: 6780944888 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

Which of the following molecule is not a Lewis Base?

Options:

- H₂O
- BF₃
- CO

Question Number: 86 Question Id: 6780944889 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

During the electrolysis of brine, 710 g of Cl₂ was liberated at anode. The weight of NaOH formed

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   800 g
   400 g
   80 g
   40 g
Question Number: 87 Question Id: 6780944890 Display Question Number: Yes Single Line Question Option: No Option
 In the Danniel cell, which electrode acts as anode?
Options:
   Cu
   Hg
    Zn
   Pt
Question Number: 88 Question Id: 6780944891 Display Question Number: Yes Single Line Question Option: No Option
  The molar conductance of HCl is more than that of NaCl because
Options:
NaCl is more polar than KCl
  NaCl is ionic while HCl is covalent
3. Ionic mobility of H<sup>+</sup> is more than that of Na<sup>+</sup>
  H<sup>+</sup> get hydrated.
Question Number: 89 Question Id: 6780944892 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 The units for electrochemical equivalent are
Options:
    grams
   grams ampere
   Coulomb
   Grams per coulomb
Question Number: 90 Question Id: 6780944893 Display Question Number: Yes Single Line Question Option: No Option
```

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Orientation: Vertical

	2 1	V 1	1.1
71:4-	Ch		
Leolite	softening process removes		

Options:

- Only permanent hardness of water
- Only temporary hardness of water
- Both temporary and permanent hardness of water
- The dissolved gases in permanent hard water.

Question Number: 91 Question Id: 6780944894 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The permanent hardness of water is caused by the presence of

Options:

1.

Bicarbonates of Ca and Mg

- Carbonates of Na and K
- Chlorides and Sulphates of Ca and Mg.
- Phosphates of Na and K

Question Number: 92 Question Id: 6780944895 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The secondary treatment of water uses _____ to consume wastes in water.

Options:

Filtration

- 1.
- Sedimentation
- Chemicals
- Microorganisms

Question Number: 93 Question Id: 6780944896 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Difficult to monitor and very dangerous form of corrosion is

- Galvanic
- Pitting

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Crevice 3.
Stress 4.
Question Number : 94 Question Id : 6780944897 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
When Pt and Co are electrically connected, which one gets corroded?
Options:
1. Co
_{2.} Pt
None 3.
4. both
Question Number: 95 Question Id: 6780944898 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
What rubber was invented when Dr. Joseph C. Patrick tried to make antifreeze?
Options:
Methyl rubber
Chloroprene 2.
Bruna N
4. Thiokol
Question Number : 96 Question Id : 6780944899 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
The first plastic ever synthesized was called
Options:
Bakelite
2. Nylon
Dacron 3.
4. Cellulose
Question Number: 97 Question Id: 6780944900 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
is a brand of polyester textile fiber that is wrinkle resistant and strong
Options:

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Dacron	
Bakelite 3.	
Nylon 4.	
Question Number: 98 Question Id: 6780944901 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical	
Water gas is a mixture of	
Options: 1. H ₂ + CO	
N ₂ + CO	
$_{3.}$ $H_2 + CO_2$	
H ₂ + CH ₄	
Question Number: 99 Question Id: 6780944902 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical	
Which of the following is not a greenhouse gas?	
Options:	
1. CO	
2. CO ₂	
3. water vapour	
4. CH ₄	
Question Number: 100 Question Id: 6780944903 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical	1
Burning of fossil fuels causes	
Options:	
Global warming	
Ozone depletion	
3. Acid rain	
Eutrophication 4.	

Number of Questions: 100 Display Number Panel: Yes Group All Questions: No Question Number: 101 Question Id: 6780944904 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical** Which of the following logic families uses bipolar transistors? **Options:** TTL NMOS CMOS ECLQuestion Number: 102 Question Id: 6780944905 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical** The functional difference between SR flip flop and JK flip flop is that **Options:** JK flip flop is faster than SR flip flop JK flip flop accepts both inputs JK flip flop has a feedback path JK flip flop does not require external choice Question Number: 103 Question Id: 6780944906 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical** Which of the following flip flop is free from race around condition? **Options:** SR flip flop D flip flop T flip flop Master-Slave flip flop

1.

1.

3

4.

Orientation: Vertical

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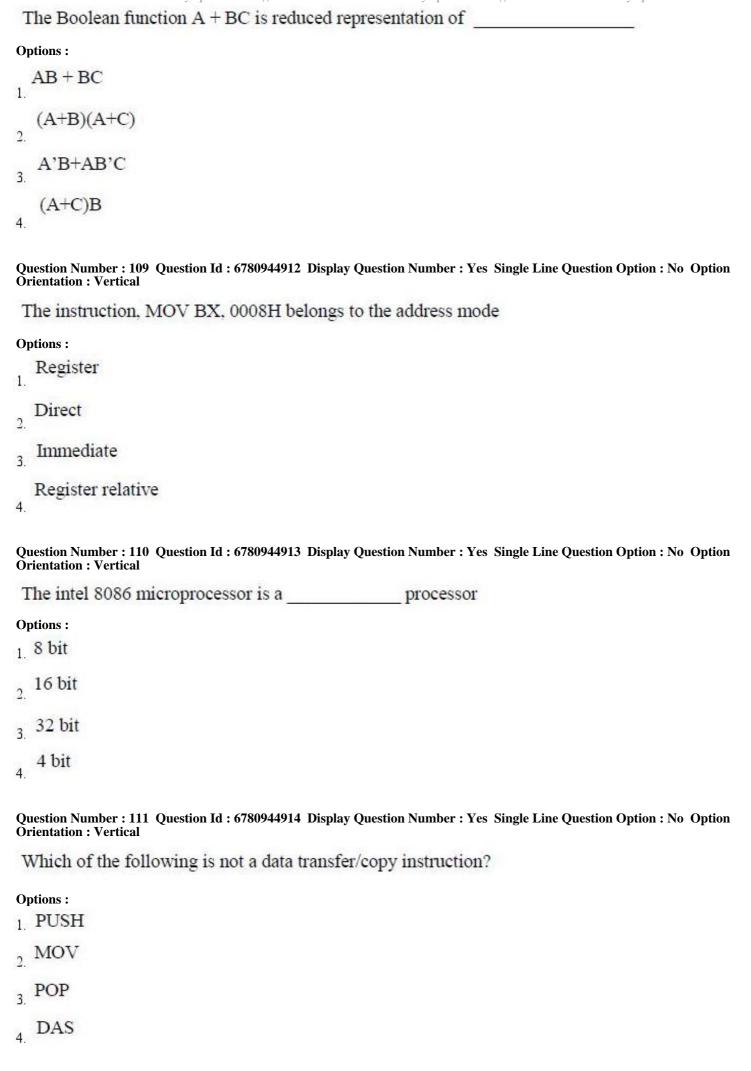
Question Number: 104 Question Id: 6780944907 Display Question Number: Yes Single Line Question Option: No Option

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How many control lines are required for 16 to 1 multiplexer?
Options:
1. 2
2. 4
3. 6
4. 8
Question Number: 105 Question Id: 6780944908 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The octal equivalent value of hexadecimal value AB is
Options:
1. 253
2. 242
3. 221
4. 143
Question Number: 106 Question Id: 6780944909 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
A Boolean function may be transformed into
Options:
logical diagram
2. logical graph
3. map
4. matrix
Question Number: 107 Question Id: 6780944910 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Full adder performs addition on
Options:
1. 2 bits
3 bits

 $Question\ Number: 108\ Question\ Id: 6780944911\ Display\ Question\ Number: Yes\ Single\ Line\ Question\ Option: No\ Option\ Orientation: Vertical$

4 bits

5 bits



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The 80286 is able to address the physical memory of
Options:
1. 8 MB
_{2.} 16 MB
24 MB 3.
64 MB 4.
Question Number: 113 Question Id: 6780944916 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The registers that contain the status information is
Options:
1. control registers
2. instruction registers
program status word
program counter 4.
Question Number: 114 Question Id: 6780944917 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The result of MOV AL, 65 is to store
The result of MOV AL, 63 is to store
Options:
Options: store 0100 0010 in AL
Options: store 0100 0010 in AL store 42H in AL
Options: store 0100 0010 in AL store 42H in AL 2.
Options: store 0100 0010 in AL store 42H in AL store 40H in AL
Options: store 0100 0010 in AL store 42H in AL store 40H in AL store 0100 0001 in AL Question Number: 115 Question Id: 6780944918 Display Question Number: Yes Single Line Question Option: No Option
Options: store 0100 0010 in AL store 42H in AL store 40H in AL store 0100 0001 in AL Question Number: 115 Question Id: 6780944918 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Options: store 0100 0010 in AL store 42H in AL store 40H in AL store 0100 0001 in AL Question Number: 115 Question Id: 6780944918 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical The address bits are sent out on lines through
Options: store 0100 0010 in AL store 42H in AL store 40H in AL store 0100 0001 in AL Question Number: 115 Question Id: 6780944918 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical The address bits are sent out on lines through Options: A16-19
Options: 1 store 0100 0010 in AL 2 store 42H in AL 3 store 40H in AL 4 store 0100 0001 in AL Question Number: 115 Question Id: 6780944918 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical The address bits are sent out on lines through Options: A16-19 A10-17

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Question Number: 116 Question Id: 6780944919 Display Question Number Orientation: Vertical	: Yes Single Line Question Option : No Option
The 8086 fetches instruction one after another from	of memory
Options :	
Code segment	
ı. IP	
B ES	
SS SS	
Question Number: 117 Question Id: 6780944920 Display Question Number Orientation: Vertical	: Yes Single Line Question Option : No Option
The accumulator is 16 bit wide and is called:	
Options :	
, AX	
AH	
AL 3.	
DL DL	
Question Number: 118 Question Id: 6780944921 Display Question Number Orientation: Vertical	: Yes Single Line Question Option : No Option
Operating frequency of 80386 microprocessor is	
Options :	
14 MHz and 20 MHz	
20 MHz and 33 MHz	
35 MHz and 45 MHz	
56 MHz and 76 MHz	
Question Number: 119 Question Id: 6780944922 Display Question Number Orientation: Vertical	: Yes Single Line Question Option : No Option
Reference that are available in the cache are called	_3
Options :	
Cache hits	
Cache line	
Cache memory	

Cache miss

Orientation: Vertical

Question Number: 123 Question Id: 6780944926 Display Question Number: Yes Single Line Question Option: No Option

www.universityupdates.in www.android.universityupdates.in www.ios.universityupdates.in The 2's complement representation of the decimal number 7 is
Options:
1. 1010
2. 1001
_{3.} 1100
1110
4.
Question Number: 124 Question Id: 6780944927 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The decimal value 0.25 is equivalent to
Options:
Binary 0.1
Binary 0.01
3. Binary 0.001
Binary 0.0001 4.
Question Number: 125 Question Id: 6780944928 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The floating point representation is used to store
Options:
Boolean values
2. Whole numbers
3. Real integers
Rational number
4.
Question Number: 126 Question Id: 6780944929 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Which of the following will not be there in a memory mapped I/O System?
Options:
LDA

2. IN

3. ADD

4. SUB

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Question Number: 127 Question Id: 6780944930 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
In Computers the subtraction can be carried out by
Options:
10's Complement
9's Complement 2.
2's Complement 3.
1's Complement 4.
Question Number: 128 Question Id: 6780944931 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
A memory buffer used to accommodate a speed differential is called
Options:
1. Cache
2. Register
3. Accumulator
4. RAM
Question Number: 129 Question Id: 6780944932 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Which bitwise operator is suitable for turning on a particular bit in a number?
Options:
&& operator 1.
2. & operator
3. operator
4. operator

Question Number: 130 Question Id: 6780944933 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

In C, if you pass an array as an argument to a function, what actually gets

passed?

Options:

Value of elements in array

Base address of the array

First element of the array
Last element of the array
Question Number: 131 Question Id: 6780944934 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
A queue is a
Options:
FIFO 1.
2. LIFO
3. FILO
LOFI
4.
Question Number: 132 Question Id: 6780944935 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The retrieval of items in a stack is operation.
Options :
push 1.
pop 2.
3. retrieval
access 4.
Question Number: 133 Question Id: 6780944936 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Which of the following is not an application of stack?
Options:
finding factorial 1.
tower of Hanoi
infix to postfix
Solving all the logarithmic functions 4.
Question Number: 134 Question Id: 6780944937 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The initial configuration of the queue is a,b,c,d (a is the front end). To get the
configuration d,c,b,a one needs a minimum of ?

Options:

2 deletions and 3 additions 1.
3 additions and 2 deletions
3 deletions and 3 additions 3.
4. 3 deletions and 4 additions
Question Number: 135 Question Id: 6780944938 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Which of the following data structure cannot store the non-homogeneous data
element?
Options:
1. files
2. records
Pointers 3.
Array 4.
Question Number: 136 Question Id: 6780944939 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Which of the following is not a nonlinear data structure?
Options:
Graph 1
Tree 2.
2. Man
2. 3. Map Stack
 Map Stack Question Number: 137 Question Id: 6780944940 Display Question Number: Yes Single Line Question Option: No Option
 Map Stack Question Number: 137 Question Id: 6780944940 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
 Map Stack Question Number: 137 Question Id: 6780944940 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical Which of the following does not keep track of the address of every element in
 Map Stack Question Number: 137 Question Id: 6780944940 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical Which of the following does not keep track of the address of every element in the list?
2. 3. Map Stack 4. Question Number: 137 Question Id: 6780944940 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical Which of the following does not keep track of the address of every element in the list? Options: Linear Array

Question Number: 138 Question Id: 6780944941 Display Question Number: Yes Single Line Question Option: No Option The logical or mathematical model of a particular organization of data is called **Options:** Data Structure Data arrangement Data configuration Data formation Question Number: 139 Question Id: 6780944942 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical** PING stands for **Options:** Packet interval gateway Packet internet gateway peer interval gateway packet internet groper Question Number: 140 Question Id: 6780944943 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical** Which of the following is the process of managing data transfer between components with in the network? **Options:** Data control Flow control

Hop count

Error control

Question Number : 141 Question Id : 6780944944 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following layer is not present in TCP/IP?

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Internet laver
2. Network layer
Transport layer
3.
Physical Layer 4.
Question Number: 142 Question Id: 6780944945 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Number of network ID in class A networks are
Options:
116
1.
126
2.
3. ¹⁵⁶
176
4.
Question Number: 143 Question Id: 6780944946 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The IP4 172.16.255.10 belongs to
Options:
Class A network
Class B network
Class C network
3.
Class D network 4.
Question Number : 144 Question Id : 6780944947 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Checksum field takes care of only
Options:
Connection Oriented
Connection less
2.
Framing 3.
Acknowledgement 4.

Question Number: 145 Question Id: 6780944948 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
Which of the following is not the application of TCP?
Options:
1. WWW
2. E-mail
FTP 3.
DNS 4.
Question Number : 146 Question Id : 6780944949 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
TCP is
Options:
Connection oriented
Connection less
Not use check sum 3.
Not reliable in delivering the messages
Question Number: 147 Question Id: 6780944950 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The length of the internet protocol is
Options:
1. 8 bits
2. 16 bits
3. 32 bits
64 bits 4.
Question Number : 148 Question Id : 6780944951 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
IEEE 802.3 is
Options :
Token bus
Token Ring

3. Ethernet

Options:

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Running process
Suspended process
3. Zombie Process
Blocked Process
4.
Question Number: 153 Question Id: 6780944956 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
System calls are usually invoked by using
Options:
Software interrupts
2. Polling
Privileged Interrupts 3.
Test Editor
Question Number: 154 Question Id: 6780944957 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
At a particular time of computation, the value of a counting semaphore is 5.
After 10P operations were completed on this semaphore followed by 15V
operations, the resulting value of the semaphore is
Options :
1. 10
2. 15
3. 20
4. 25
Question Number: 155 Question Id: 6780944958 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
An operating system contains 5 user processes each requiring 3 units of resource
'R'. The minimum number of units of R such that no dead lock will occur
Options:
1. 5
2. 7
3 9

11

is

Options:

Options:

Options:

File System

Memory management

2

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Age 2.
3. Aadhar Card Number
Address 4.
Question Number: 163 Question Id: 6780944966 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
supports efficient retrieval of records based on the value of a
search key
Options:
Trigger 1.
2. Cursor
3. Index
4. Package
Question Number : 164 Question Id : 6780944967 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Which of the following operation(s) can be done with ALTER command
I.Insert new rows into the table
II. Delete records from table
III. Insert new column into the table
IV. Modify or drop the columns from table
Options:
1, II & III 1.
2. II & III
3. III & IV
I, II, III & IV 4.
Question Number: 165 Question Id: 6780944968 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
A relation R = (A, B, C, D, E, F) holds the following functional dependencies
$A \rightarrow BC$, $A \rightarrow E$, $B \rightarrow CD$, $C \rightarrow F$
Which attribute can be chosen as primary key for the relation?
Options:

FF	
EF L	
2. C	
3. A	
BC BC	
Question Number: 166 Question Id: 6780944969 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical	
The SQL statement select ROUND(67.987, -2) from dual;	
Options:	
It is Illegal	
prints 68	
prints 0	
prints 60	
Question Number: 167 Question Id: 6780944970 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical	
In ordered indices if the file containing the records is sequentially ordered, then	4
is an index, whose search key also defines the sequential order of the file.	
Options :	
Clustered index	
Structured index	
3. Unstructured index	
Non-clustered index	
Question Number: 168 Question Id: 6780944971 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical	
What operator tests column for the absence of data?	
Options :	
EXISTS operator	
NOT operator	

Question Number : 1 Drientation : Vertica	169 Question Id: 6780944972 Display Question Number: Yes Single Line Question Option: No Option al
A	is a database object that groups logically related
PL/SQL types	, objects and subprograms.
Options :	
Module	
Package	
Object	
Class	
Question Number : 1 Orientation : Vertica	170 Question Id: 6780944973 Display Question Number: Yes Single Line Question Option: No Option
1	provide a way for your program to select multiple
rows of data fi	rom the database and then process each row individually.
Options :	
PL/SQL Cu	rsors
PL/SQL Trig	gger
PL/SQL Sele	ect
PL/SQL Pro	cess
Question Number : 1 Orientation : Vertica	171 Question Id: 6780944974 Display Question Number: Yes Single Line Question Option: No Option
A relation is sa	aid to be in 3 NF if and only if
I. It	is already in 2NF
II. Tr	ransitive dependency should be removed
III. On	ly partial functional dependency has to be removed
IV. Mu	alti-value dependency has to be removed
V. It s	should already in BCNF
Options :	
I & III only	
II, III & V	
I, IV & V	
I & II only	

Question Number: 172 Question Id: 6780944975 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
If a class contains pure virtual function, then it is termed
as
Options:
Virtual class
Sealed class
3. Pure Local class
Abstract Class 4.
Question Number: 173 Question Id: 6780944976 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Which of the statements are true?
I. Function overloading is done at compile time.
II. Protected members are accessible to the member of derived class.
III. A derived class inherits constructors and destructors.
IV. A friend function can be called like a normal function.
V. Nested class is a derived class.
Options:
I, II, III 1.
II, III, V
3. III, IV, V
I, II, IV 4.
Question Number: 174 Question Id: 6780944977 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
In which parameter passing technique of C++ passes only the contents of the
variable to the receiving function
Options:
by reference
by value

globally

Options:

p = q;

int a = 250, b = 400;

int *p = &a, *q = &b;

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   b is assigned to a
   p now points to b
   a is assigned to b
   q now points to a
Question Number: 178 Question Id: 6780944981 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
What is the output of this program?
    #include <iostream>
    using namespace std;
    int main()
     {
         int i:
         char *arr[] = {"C", "C++", "Java", "VBA"};
         char *(*ptr)[4] = &arr;
         cout << ++(*ptr)[2];
         return 0;
      }
Options:
   ava
   java
   c++
   compile time error
Question Number: 179 Question Id: 6780944982 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 In C++, 'friend' keyword can be placed before
Options:
  function declaration
1.
  function definition
  main function
3.
```

Question Number: 182 Question Id: 6780944985 Display Question Number: Yes Single Line Question Option: No Option

Options:

- short to int
- byte to int
- int to long
- long to int

Question Number: 183 Question Id: 6780944986 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

What will be the return type of a method that will not return any value in a Java

program?

Options:

- . void
- 2 int
- , double
- string

, 5

Question Number: 184 Question Id: 6780944987 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Which of the following is valid statement for declaration, and initializing an

array?

Options:

- int [] myData;
- int [] myData = (15, 8, 22);
- int myData $[][] = {34,19,27,20};$
- int myData [] = $\{34, 63, 77\}$;

Question Number: 185 Question Id: 6780944988 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The Java Compiler

Options:

1.

4.

Creates executable file

- Creates new classes
- Converts Java Source code to Byte code

Produces Java Interpreter

Question Number : 186 Question Id : 6780944989 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is true?

- 1. A class can extend more than one class.
- 2. A class can extend only one class but many interfaces.
- 3. An interface can extend many interfaces.
- 4. An interface can implement many interfaces.
- 5. A class can extend one class and implement many interfaces.

Options:

- 1 and 2
- 2 and 4
- 3 and 5
- 3 and 4

Question Number: 187 Question Id: 6780944990 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The concept of multiple inheritance is implemented in Java by

- Extending two or more classes.
- II. Extending one class and implementing one or more interfaces.
- III. Implementing two or more interfaces.

Options:

- Only (II)
- (I) and (II)
- (II) and (III)
- Only (I)

Question Number: 188 Question Id: 6780944991 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Which of the following package contains Exception class?

Options:

- java.util
- java.file
- java.io
- java.lang

Question Number : 189 Question Id : 6780944992 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
What does AWT stands for?
Options:
All Window Tools 1.
All Writing Tools 2.
Abstract Window Toolkit 3.
Abstract Writing Toolkit 4.
Question Number : 190 Question Id : 6780944993 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Which of the following blocks execute automatically whether exception is
caught or not?
Options:
finally 1.
2. catch
3. throws
throw 4.
Question Number: 191 Question Id: 6780944994 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Method cannot be overridden.
Options:
super 1.
2. static
3. final
Private 4.
Question Number: 192 Question Id: 6780944995 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
What is the syntax in HTML for creating a link on a webpage?
Options:
<link src="myexams.html"/>

```
<A SRC = "myexams.html" >
   <BODY LINK = "myexams.html">
  < A HREF = "myexams.html">
Question Number: 193 Question Id: 6780944996 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
Which of the following is valid IP address?
Options:
  498.11.497.67
  192.168.321.10
  1.899.432.456
  192.168.36.115
4.
Question Number: 194 Question Id: 6780944997 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
What is the output of the following PHP code?
       <?php
       x = 10:
       y = 20;
        if (x > y + y != 3)
        print "today";
         else
         print "tomorrow";
         ?>
Options:
  tomorrow
   today
   Error
  No output
```

Question Number: 195 Question Id: 6780944998 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Which of the following protocol is used for e-mail services?

```
Options:
   SMAP
   SMTP
   SMIP
   SMOP
Question Number: 196 Question Id: 6780944999 Display Question Number: Yes Single Line Question Option: No Option
Which of the following is not a web server?
Options:
  Microsoft Bing
  Apache Tomcat
   Microsoft IIS
  Oracle Web Tier
Question Number: 197 Question Id: 6780945000 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
Which one is the method of Connection object in ADO.Net?
Options:
  open()
new()
  ConnectionOpen()
  connectionStart()
Question Number: 198 Question Id: 6780945001 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 Which one of the following statements instantiates the mysqli class in PHP
 programming?
Options:
  mysqli = new mysqli()
1.
   $mysqli = new mysqli()
```

```
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    $mysqli->new.mysqli()
3.
   mysqli->new.mysqli()
Question Number: 199 Question Id: 6780945002 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 Which of the following function is used to erase all session variables stored in
  the current session?
Options:
   session_destroy()
1.
   session unset()
2.
   session change()
   session remove()
Question Number : 200 Question Id : 6780945003 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
How can you make a bulleted list with numbers?
Options:
1. <dl>
   \langle ol \rangle
  dist>
```